

ABSTRACT OF THE DISCLOSURE

1 A matrix of single input OR-gates correspond
to respective codes to be assigned to strings. The inputs
of the OR-gates are coupled to respective outputs of
a code decoder that is responsive to a fetched input
5 code. The locations of a character and level table,
respectively accessible by the code decoder outputs,
store the extension characters of extended strings
recorded in the decompressor. Outputs of OR-gates are
selectively coupled to code decoder outputs through a
10 matrix switch to sequentially couple OR-gate outputs
to OR-gate inputs so that the characters of a string
corresponding to the input code are provided from accessed
locations of the table. An update extended string is
recorded by coupling the output of the OR-gate
15 corresponding to the next assignable code to the code
decoder output corresponding to the previously received
code. The first character of the string corresponding
to the current code is stored in the table location
accessible by the next assignable code.

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